

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: BABIN3A

In re Application of: ) Conf. No.: 5414  
Uri BANIN et al. )  
Appln. No.: 10/564,036 ) Art Unit:  
Filed: July 8, 2004 ) Examiner:  
For: NANOPARTICLES ) Washington, D.C.  
FUNCTIONALIZED PROBES AND )  
METHODS FOR PREPARING SUCH... ) August 4, 2006

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents  
U.S. Patent and Trademark Office  
Randolph Building, Mail Stop Amendments  
401 Dulany Street  
Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[ ] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.

[X] B. before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114; or

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form BN/SB/08A/B) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. Other than U.S. patent(s) and/or published U.S. application(s), which 37 CFR §1.98(a)(2)(ii) does not require to be filed unless specifically required by the Office, a copy of each document listed is attached, except as explained below:

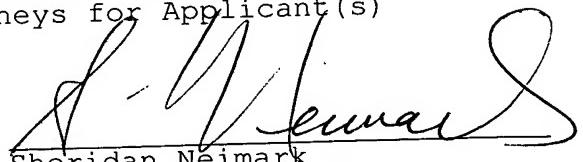
[X] 3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

4. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

**Complete if Known**

Application Number	10/564,036
Filing Date	July 8, 2004
First Named Inventor	Uri BANIN
Group Art Unit	
Examiner Name	
Attorney Docket Number	BANIN3A

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Application Number	10/564,036
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Examiner Name	
Attorney Docket Number	BANIN3A

## NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AC	KOPELMAN, R. et al. "Nanometer Light Source and Molecular Exciton Microscopy"; Journal of Luminescence 45; 1990, pp.298-299, North Holland	
	AD	SEKATSKI, S.K. et al. "Nanometer-resolution scanning optical microscope with resonance excitation of the fluorescence of the samples from a single-atom excited center"; JETP Lett., Vol. 63, No. 5, pp. 319-323, March 10, 1996	
	AE	FORSTER, T. "Delocalized Excitation and Excitation Transfer"; Modern Quantum Chemistry; Academic; pp. 93-137; 1965, New York	
	AF	WEISS, S. "Fluorescence Spectroscopy of Single Biomolecules"; Science; Vol 283, pp.1676-1683; March 12, 1999	
	AG	DENIZ, A.A. et al. "Single-molecule protein folding: Diffusion fluorescence resonance energy transfer studies Of the denaturation of chymotrypsin inhibitor 2"; PNAS; Vol.97, no.10 pp.5197-5184, May 9, 2000	
	AH	SHUBEITTA, G.T. et al. "Local fluorescent probes for the fluorescence resonance energy transfer scanning Near-field optical microscopy"; Applied Physics Letters; Vol. 80, Number 15, pp.2625-2627	
	AI	KAN, S et al. "Synthesis and size-dependent properties of zinc-blende semiconductor quantum rods"; Nature Materials; Vol 2, pp. 72, 155-158, March 2003	
	AJ	DUBERTRET, B et al. "In Vivo Imaging of Quantum Dots Encapsulated in Phospholipid Micelles"; Science, Vol 298, pp. 1759-1762, November 29, 2002	
	AK	WILLARD, D.M. et al. "CdSe-ZnS Quantum Dots as Resonance Energy Transfer Donors in a Model Protein-Protein Binding Assay"; Nano Letters; Vol.1, No.9, pp.469-474, 2001	
	AL	SHUBEITTA, G.T. et al. "Scanning near-field optical microscopy using semiconductor nanocrystals as a local Fluorescence and fluorescence resonance energy transfer source"; Journal of Microscopy, Vol.210,pp. 274-278, 2003	
	AM	Murray, C.B. et al. "Synthesis and Characterization of Nearly Monodisperse CdE (E=S, Se, Te) Semiconductor Nanocrystallites"; J. AM. Chem. Soc, Vol.115, pp.8706-8715; 1993	
	AN	MOKARI, T. et al. "Synthesis and Properties of CdSe/ZnS Core/Shell Nanorods"; Chem. Mater, Vol. 15, pp. 3955-3960, 2003	
	AO	CAO, Y et al. "Growth and Properties of Semiconductor Core/Shell Nanocrystals with InAs Cores"; J. AM. Chem. Soc, Vol. 122, pp.9692-9702, 2000	

Examiner  
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(use as many sheets as necessary)				Attorney Docket Number	
Sheet	3	of	3		

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